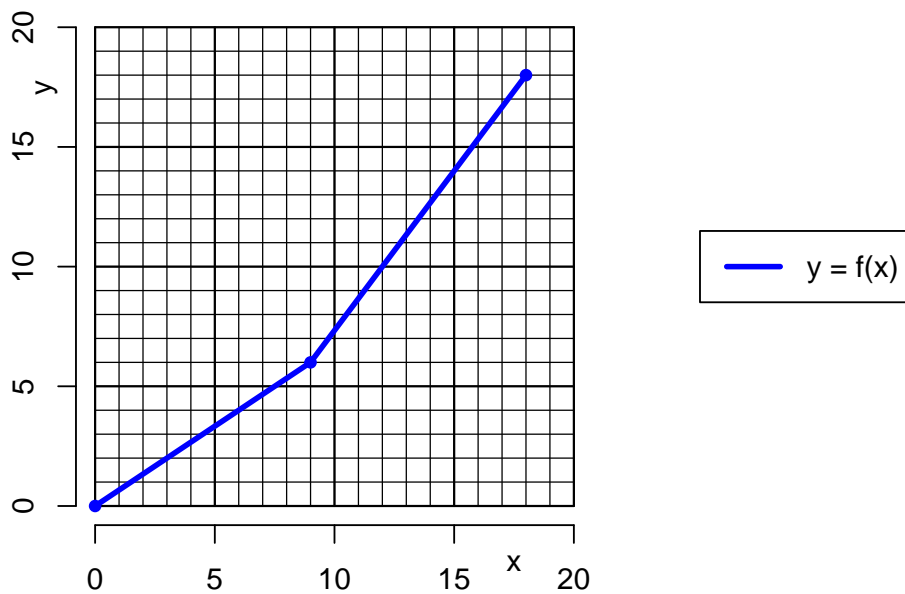# PCW_09_18 Find new points after transformation (version 9)

## Question 1

Curve $y = f(x)$ contains points $(0, 0)$ and $(9, 6)$ and $(18, 18)$, as shown on the $x$-$y$ plane below.
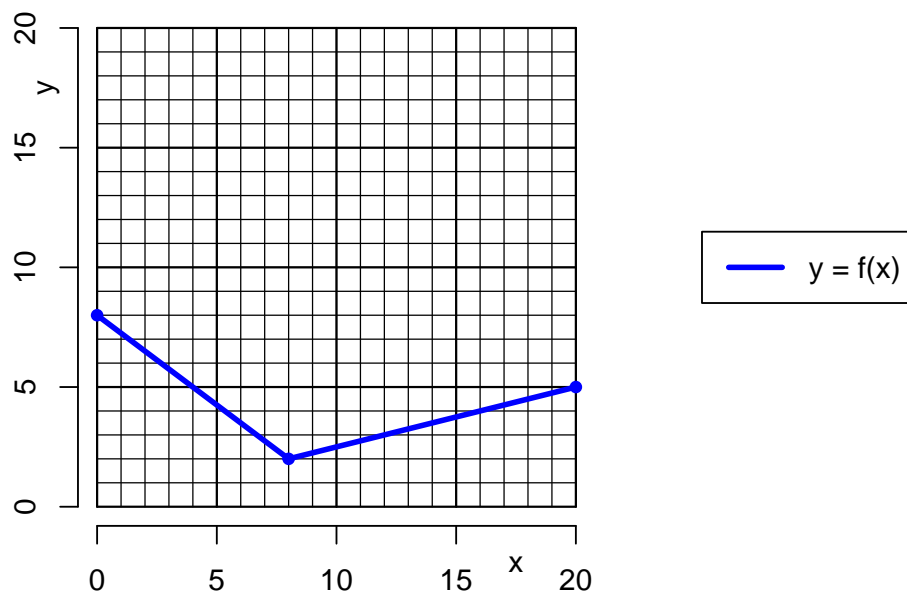


On the same plane, please draw the curve represented by the equation below:

$$y = \frac{f[3(x - 2)] + 4}{2}$$

## Question 2

Curve $y = f(x)$ contains points $(0, 8)$ and $(8, 2)$ and $(20, 5)$, as shown on the $x$-$y$ plane below.



On the same plane, please draw the curve represented by the equation below:

$$y = 3f[2\,(x - 3)] - 6$$